

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Pankaj K. Jha  
Serial No.: 09/616,956 Art Unit: 2665  
Filed: July 14, 2000 Examiner: Nguyen, T.  
For: HYBRID DATA TRANSPORT SCHEME OVER OPTICAL NETWORKS

I hereby certify that this letter, the response or amendment attached hereto are being deposited with the United States Postal Service as first class mail in an envelope addressed to Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on August 27, 2004.

By: Mary Donna Berkley  
Mary Donna Berkley

**Mail Stop AF  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
AFTER FINAL OFFICE ACTION AND  
BEFORE MAILING OF NOTICE OF ALLOWANCE (37 CFR 1.97(d))**

NOTE: "An information disclosure statement shall be considered by the Office if filed by the applicant after the period specified in paragraph (c) of this section, provided that the information disclosure statement is filed on or before payment of the issue fee and is accompanied by:

- (1) The statement specified in paragraph (e) of this section; and
- (2) The fee set forth in § 1.17(p)." 37 CFR 1.97(d).

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**IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING  
INFORMATION DISCLOSURE STATEMENT**

The information disclosure statement submitted herewith is being filed after the mailing date of a final Office action under § 1.113 and before a notice of allowance under § 1.311. 37 CFR 1.97(d).

**IDENTIFICATION OF TIME OF KNOWLEDGE OF THE ACCOMPANYING  
INFORMATION DISCLOSURE STATEMENT**


No item of information contained in the information disclosure statement submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement submitted herewith was known to any individual designated in § 1.56(c) more than three months prior to the filing of information disclosure statement. 37 CFR 1.97(e)(2).

## METHOD OF PAYMENT OF FEE

Accompanying this transmittal is the fee set forth in 37 CFR 1.17(p) for submission of an information disclosure statement under § 1.97(d). (\$180.00)

Enclosed is a PTO-2038 Form in the amount of \$180.00.

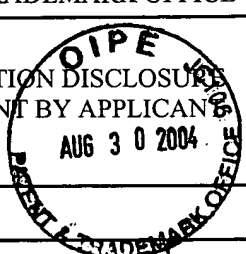
If any additional fees are due, please charge Account 50-0541.



CHRISTOPHER P. MAIORANA, P.C.

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Christopher P. Maiorana  
Registration No. 42,829  
24840 Harper Avenue, Suite 100  
St. Clair Shores, MI 48080  
(586) 498-0670  
Dated: August 27, 2004

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY DOCKET NO. 0325.00371		SERIAL NO. 09/616,956																																																																																																																																																																																																				
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Sept 22, 2000

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PTO-1449 U.S. DEPARTMENT OF  
COMMERCE PATENT AND  
TRADEMARK OFFICEATTY DOCKET NO.  
0325.00371SERIAL NO.  
09/616,956APPLICANT:  
Pankaj K. JhaFILING DATE  
July 14, 2000GROUP  
~~2731~~ 2665INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub- Class	Filing Date
	4 2 3 6 2 4 5	11/25/1980	Freeny et al.	370	94	
	4 5 4 2 5 0 2	9/17/1985	Levinson et al.	370	88	
	4 7 0 0 3 4 1	10/13/1987	Huang	370	80	
	4 7 6 1 7 8 1	8/2/1988	Calvignac et al.	370	94	
	4 9 3 9 7 2 6	7/3/1990	Flammer et al.	370	94.1	
	4 9 7 4 1 8 9	11/27/1990	Russon et al.	364	900	
	5 1 4 4 6 1 9	9/1/1992	Munter	370	60.1	
	5 2 5 1 2 1 7	10/5/1993	Travers et al.	370	112	
	5 3 6 5 2 7 2	11/15/1994	Siracusa	348	426	
	5 5 5 5 2 4 3	9/10/1996	Kakuma et al.	370	58.2	
	5 5 8 3 8 5 9	12/10/1996	Feldmeier	370	471	
	5 6 1 0 7 4 4	3/11/1997	Ho et al.	359	118	
	5 9 1 5 2 5 2	6/22/1999	Misheski et al.	707	103	

## FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Class	Sub- Class	Transl.
					Yes No

## OTHER DOCUMENTS (Incl. Author, Title, Date, Pertinent Pages, etc.)

Wideband Packet over SONET (WPOS), Cisco Sytems, Inc., 1999, pp. 1-8.

Pankaj K. Jha, HYBRID DATA TRANSPORT SCHEME OVER OPTICAL NETWORKS, U.S. Serial No. 09/523,576, Filed March 10, 2000.

Pankaj K. Jha, HYBRID DATA TRANSPORT SCHEME OVER OPTICAL NETWORKS, U.S. Serial No. 09/535,717, Filed March 27, 2000.

Pankaj K. Jha, HYBRID DATA TRANSPORT SCHEME OVER OPTICAL NETWORKS, U.S. Serial No. 09/523,476, Filed March 10, 2000.

Pankaj K. Jha, HYBRID DATA TRANSPORT SCHEME OVER OPTICAL NETWORKS, U.S. Serial No. 09/535,889, Filed March 27, 2000.

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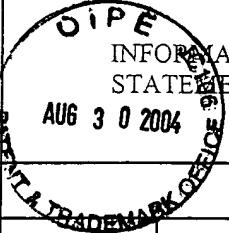
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																				Yes No	
OTHER DOCUMENTS (Incl. Author, Title, Date, Pertinent Pages, etc.)																					
		PPP over Simple Data Link (SDL) using SONET/SDH with ATM-like framing, By J. Carlson et al., May 2000.																			
		A Simple Data Link Protocol for High-Speed Packet Networks, By Bharat T. Doshi et al., Bell Labs Technical Journal January-March 1999, pages 85-104.																			
		Protocols and Architectures for IP Optical Networking, By Jon Anderson et al., Bell Labs Technical Journal January-March 1999, pages 105-124.																			
		Internet Engineering Task Force INTERNET DRAFT, By Daniel O. Awduche et al., November 1999, pages 1-20.																			
		PPP Extensions Working Group INTERNET DRAFT, By N. Jones et al., June 2000, pages 1-10.																			
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	Internet Engineering Task Force INTERNET DRAFT, By Dimitry Haskin et al., May 2000, pages 1-9.				
	Network Working Group, By D. Grossman et al., September 1999, pages 1-23.				
	INTERNET DRAFT, By D. Tsiang et al., May 1, 2000, pages 1-52.				
	Network Working Group, By A. Malis et al., June 1999.				
	Cost-Effective Network Evolution, By Tsong-Ho Wu, IEEE Communications Magazine, September 1993, pages 64-73.				
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	6	2	3	6	6	6	0	5/22/2001	Heuer	370	409	
	6	1	6	9	7	4	9	1/2/2001	Dove et al.	370	474	
	6	1	2	2	2	8	1	9/19/2000	Donovan et al.	370	401	
	6	0	7	5	7	8	8	6/13/2000	Vogel	370	395	
	5	9	4	6	3	1	5	8/31/1999	Ramfelt et al.	370	403	
	5	8	0	2	0	4	3	9/1/1998	Skillen et al.	370	258	
	6	5	4	6	0	2	1	4/8/2003	Slane	370	465	
	6	5	8	4	1	1	8	6/24/2003	Russell et al.	370	466	
	6	4	0	0	7	2	0	6/4/2002	Ovadia et al.	370	395.64	
	6	0	4	7	0	0	2	4/4/2000	Hartmann et al.	370	466	
	6	0	1	1	8	0	2	1/4/2000	Norman	370	466	
	5	5	3	7	4	2	8	7/16/1996	Larsson et al.	371	37.1	
<b>FOREIGN PATENT DOCUMENTS</b>												
	Document No.							Date	Country	Class	Sub- Class	Transl. Yes No
<b>OTHER DOCUMENTS (Incl. Author, Title, Date, Pertinent Pages, etc.)</b>												
	Ishii et al., Virtual sub-container multiplexing method for optical subscriber system; Global Telecommunications Conference, 1990, and Exhibition, 'Communications: Connecting the Future', GLOBECOM '90, IEEE, Dec. 2-5, 1990, pp. 115-119, vol. 1.											
	Faten Ben Slimane, et al., Signaling in IP cell-switching; Computers and Communications, 1999 Proceedings, IEEE International Symposium, July 6-8, 1999, pps. 116-120.											
	W. Simpson, "Request for Comments (RFC) 1619", Internet Engineering Task Force, Network Working Group, May 1994, pps. i, ii, 1-3.											
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	5	8	3	1	9	7	0	11/3/1998	Arao	370	227	
	6	0	2	8	8	6	1	2/22/2000	Soirinsuo et al.	370	395	
	6	3	3	1	9	7	8	12/18/2001	Ravikanth et al.	370	392	
	6	3	5	6	3	6	8	3/12/2002	Arao	359	124	
	6	4	4	2	6	9	4	8/27/2002	Bergman et al.	713	201	
	5	7	9	6	7	2	0	8/18/1998	Yoshida et al.	370	245	
	6	3	2	0	8	6	3	11/20/01	Ramfelt	370	404	
	6	5	8	0	5	3	7	6/17/2003	Chang et al.	359	124	
	6	5	3	2	0	8	8	3/11/2003	Dantu et al.	359	119	
	6	5	0	1	7	5	6	12/31/2002	Katsube et al.	370	392	
	5	4	5	0	3	9	7	9/12/1995	Wahlman	370	60	
	5	7	9	6	9	4	4	8/18/1998	Hill et al.	395	200.8	
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	Doshi et al., Simple data link (SDL) protocol: an efficient and low complexity data link protocol for high-speed packet networks, Global Telecommunications conference, 1999, GLOBECOM '99, volume 2, Dec. 5-9, 1999, pp. 1295-1301.											
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